

JVC

INSTRUCTIONS

HR-DX40U

VIDEO CASSETTE RECORDER

VHS



For Customer Use:

Enter below the Serial No. which is located on the rear of cabinet. Retain this information for future reference.

Model No. **HR-DX40U**

Serial No. _____

Safety Precautions



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

This video cassette recorder should be used with AC 120V~, 60 Hz only.

CAUTION:

To prevent electric shocks and fire hazards, do NOT use any other power source.

When you are not using the video recorder for a long period of time, it is recommended that you disconnect the power cord from the AC outlet.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION:

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

NOTE:

The rating plate and the safety caution are on the side and rear of the unit.

CAUTION:

Changes or modifications not approved by JVC could void user's authority to operate the equipment.



- Cassettes marked "VHS" (or "S-VHS") can be used with this video cassette recorder.
- HQ VHS is compatible with existing VHS equipment.

JVC COMPANY OF AMERICA


Division of US JVC CORP.
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How To Use This Instruction Manual

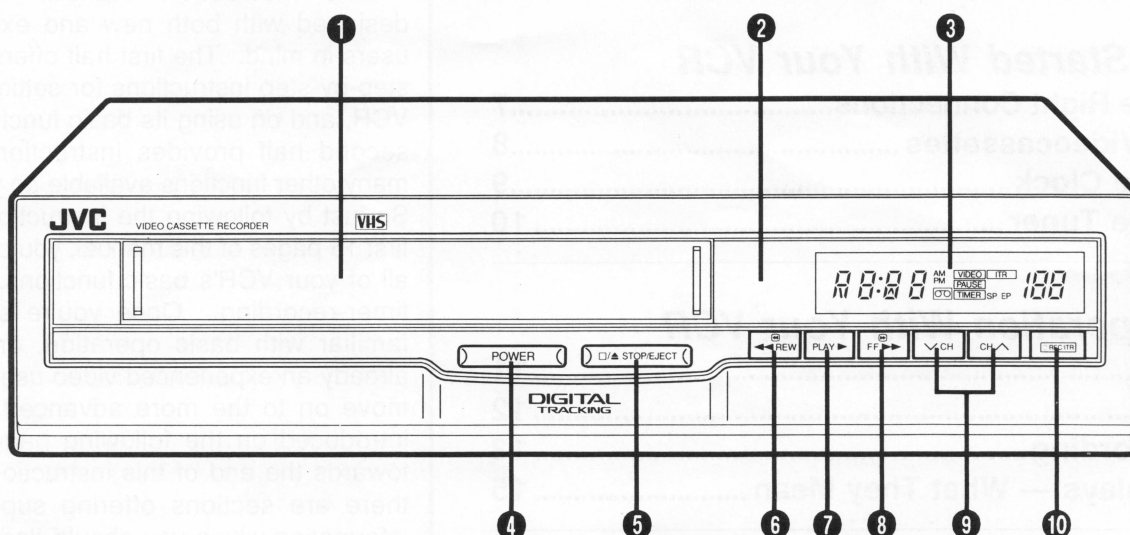
This instruction manual has been designed with both new and experienced users in mind. The first half offers detailed, step-by-step instructions for setting up your VCR, and on using its basic functions. The second half provides instructions on the many other functions available on your VCR. So just by following the instructions on the first 15 pages of this manual, you can master all of your VCR's basic functions, including timer-recording. Once you're sufficiently familiar with basic operation, or if you're already an experienced video user, you can move on to the more advanced functions introduced on the following pages. Also, towards the end of this instruction manual, there are sections offering supplemental information which you should find helpful in the course of operating your VCR.

Related features have all been clustered together for easy reference, and their categories (playback, recording, timer, etc.) are easily recognizable by the symbol appearing in the page header. If you ever need to refer to another page for instructions or information, you will be told so by a  mark pointing to the page number. Unless otherwise specified, operation buttons mentioned in the instructions refer to those located on the remote control, not those duplicated on the VCR.

Remember, you must use your VCR correctly to fully enjoy it. Please use this manual effectively. It's the surest and quickest way to unlock the full potential of your new JVC VCR.

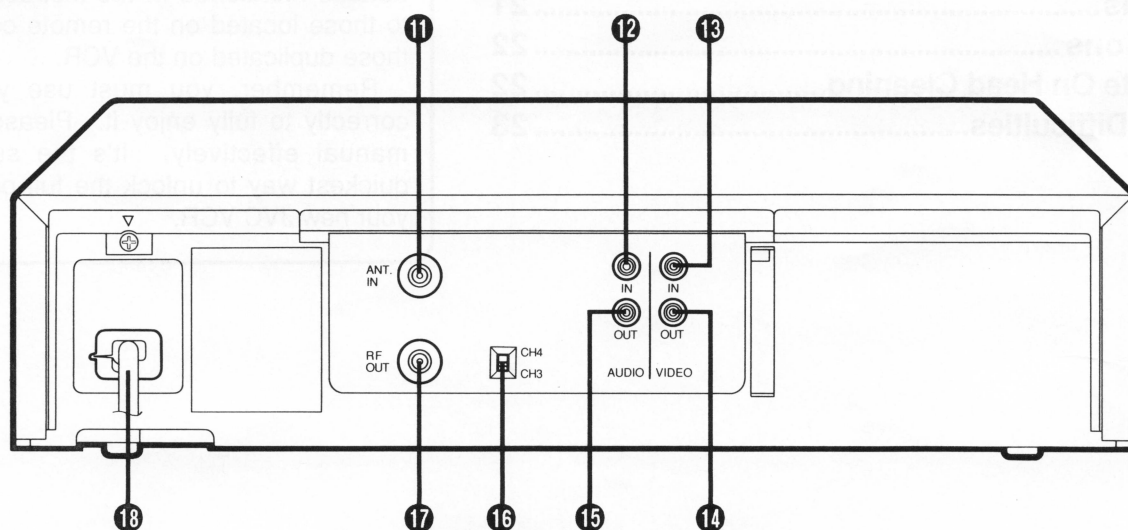
Controls, Indicators, And Connectors

Front Panel



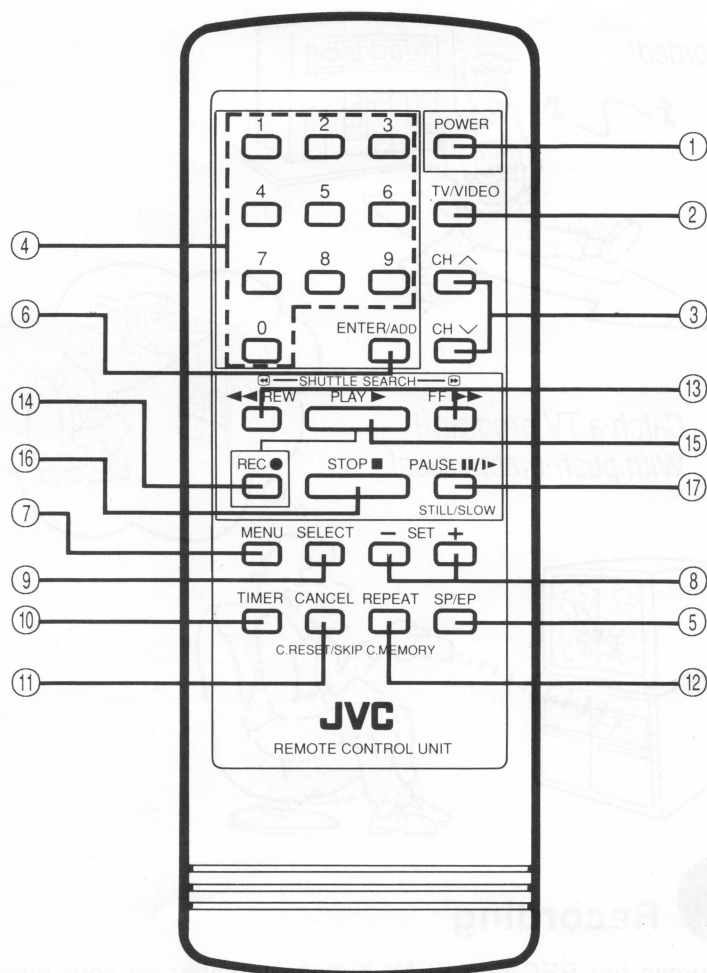
- | | | |
|--------------------------------------|----------------------------|--------------------------------|
| 1 Cassette loading slot | 5 STOP/EJECT button | 9 CHANNEL (CH) UP/DOWN buttons |
| 2 Infrared beam receiving window | 6 REW (Rewind) button | 10 REC/ITR button |
| 3 Display panel p.15 | 7 PLAY button | |
| 4 POWER button | 8 FF (Fast Forward) button | |

Back Panel



- | | | |
|------------------------|--|---------------|
| 11 ANT. IN terminal | 15 AUDIO OUT connector | 18 Power cord |
| 12 AUDIO IN connector | 16 RF output channel select switch p.7 | |
| 13 VIDEO IN connector | 17 RF OUT terminal | |
| 14 VIDEO OUT connector | | |

Wireless Remote Control



VCR Basic Operation

- ① POWER button
- ② TV/VIDEO button
- ③ CHANNEL (CH) UP/DOWN buttons

Special Functions

- ④ Multi-Purpose Digit keys
- ⑤ SP/EP select button *☞* p.12
- ⑥ ENTER/ADD button *☞* p.10,15, 16

On-Screen Menu Operation

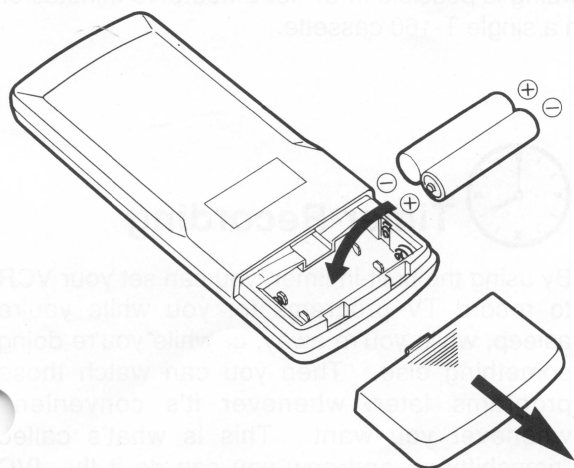
- ⑦ MENU button *☞* p.9,10,13,14,17
- ⑧ SET -/+ buttons *☞* same as above
- ⑨ SELECT button *☞* same as above

Timer and Tape Counter

- ⑩ TIMER button *☞* p.14
- ⑪ CANCEL/COUNTER (C.) RESET/SKIP button *☞* p.10,16,17
- ⑫ REPEAT/COUNTER (C.) MEMORY button *☞* p.16,17

Tape Mode Control Buttons

- ⑬ REW and FF (SHUTTLE SEARCH) buttons
- ⑭ REC button
- ⑮ PLAY button
- ⑯ STOP button
- ⑰ PAUSE/STILL/SLOW button



Installing Batteries

- ① Slide the battery compartment cover in the direction of the arrow.
- ② Insert 2 "AAA"-size batteries (provided) in the correct directions.
- ③ Replace the cover.

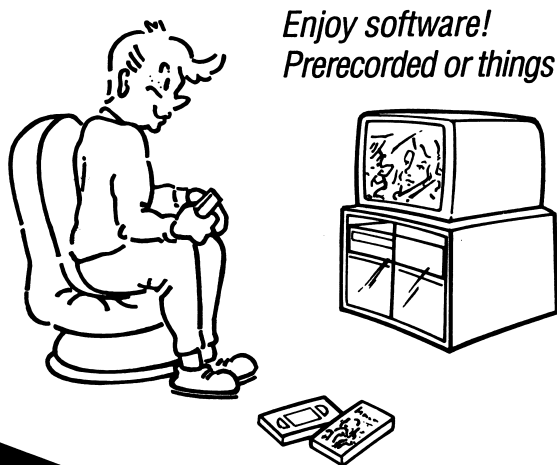
How To Use

The remote control can operate most of your VCR's functions.

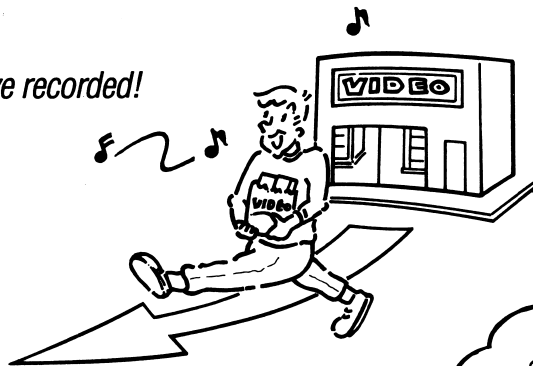
- Point the remote control at the sensor window.
- The maximum operating distance of the remote control is about 8 m (26 ft).

Getting To Know Your VCR

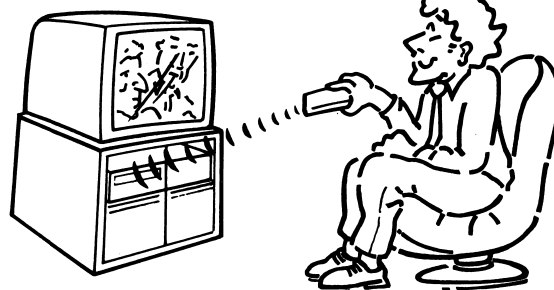
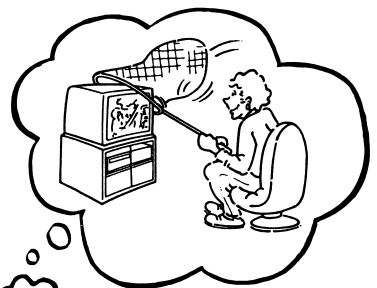
The 3 Basic Ways Of Using Your VCR



*Enjoy software!
Prerecorded or things you've recorded!*



*Catch a TV program!
With push-button ease!*



Playback

With the VCR properly hooked-up to your TV set, viewing videos is as easy as pushing the PLAY button. Prerecorded VHS software is available just about anywhere, and your VCR will let you enjoy it all. And, of course, you can enjoy those programs you've recorded yourself too.

Recording

Just press the REC and PLAY buttons together on your remote control. The VCR will record whatever it is that you're watching. In other words, you can instantly "catch" a TV program in progress to see it again later, show it to someone else, or keep it as part of your video library. Recording is possible in SP for 2 hours 40 minutes or in EP for 8 hours on a single T-160 cassette.

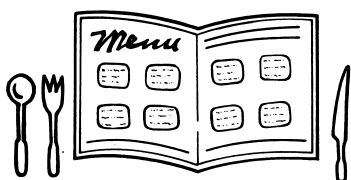
*Record TV programs while you're away.
Watch TV programs when you want.*



Timer-Recording

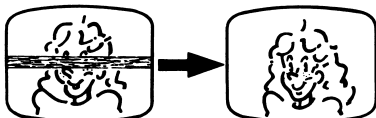
By using the built-in timer, you can set your VCR to record TV programs for you while you're asleep, while you're away, or while you're doing something else. Then you can watch those programs later, whenever it's convenient, whenever you want. This is what's called "timeshifting", and now you can do it the JVC way.

Some Other Functions On Your VCR



On-Screen Menu System

Do everything from tuner set up to timer-programming while watching bright, easy to see, easy to understand on-screen menus.



Digital Tracking

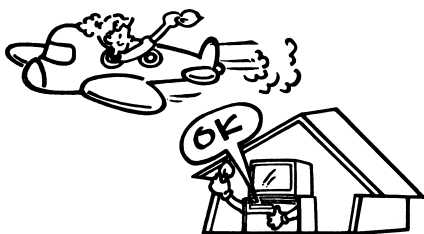
Automatically controls video tracking to maintain the best video picture, even with tapes with excessive tracking variations. A must for rental software viewing.

On-Screen Mode Check

Conveniently shows what channel the VCR is tuned to, the time, and the tape mode automatically or at the push of a button.

Noiseless Slow Motion, Still Playback, And Frame Advance

Slows or stops the action so you can follow fast or exciting segments more closely and not miss a detail.



1-Year/8-Event Timer

Records up to 8 of your favorite television shows, movies, or sporting events while you are away from home for up to a year, or overnight while you are busy sleeping.

Instant Timer Recording (Off Timer)

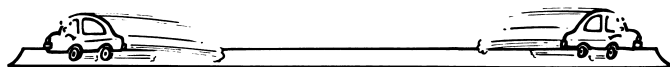
Once recording is started, this function automatically stops recording after a preset length of time up to 9 hours, freeing you to do other things.

Realtime Tape Counter

Counts the tape in hours, minutes, and seconds rather than in numbers to make finding tape segments manually quick and easy. Check the counter reading on-screen at any time.

Counter Memory Function

Returns to the counter reading of "0.00.00" to conveniently find a specific place on the tape automatically.



Shuttle Search With Latch Function

Allows you to skim backwards or forwards through the tape at 7 times normal speed in SP, or 15 times in EP. For long searches, use the latch function with a tape speed of 7 times normal in SP, or 21 times in EP.

Power-Off Dimmer

When the VCR is on, the display panel is very bright and easy to read. When power is switched off, the display panel automatically dims, making it less conspicuous.

Making The Right Connections

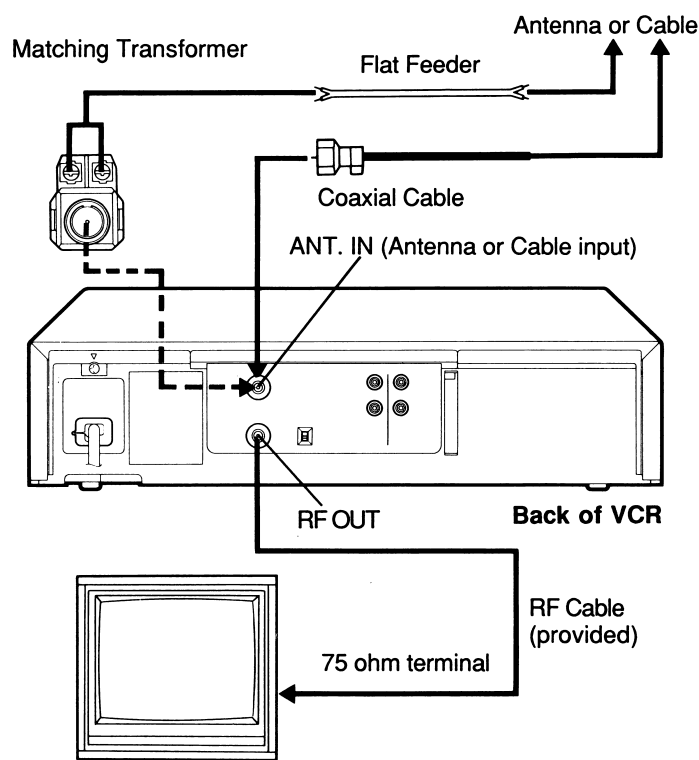
It's essential that your VCR be properly hooked up for proper results. Follow these steps carefully. THESE STEPS MUST BE COMPLETED BEFORE ANY VCR OPERATION CAN BE PERFORMED.

A VCR-TO-TV CONNECTION

RF CONNECTION

For standard TV sets:

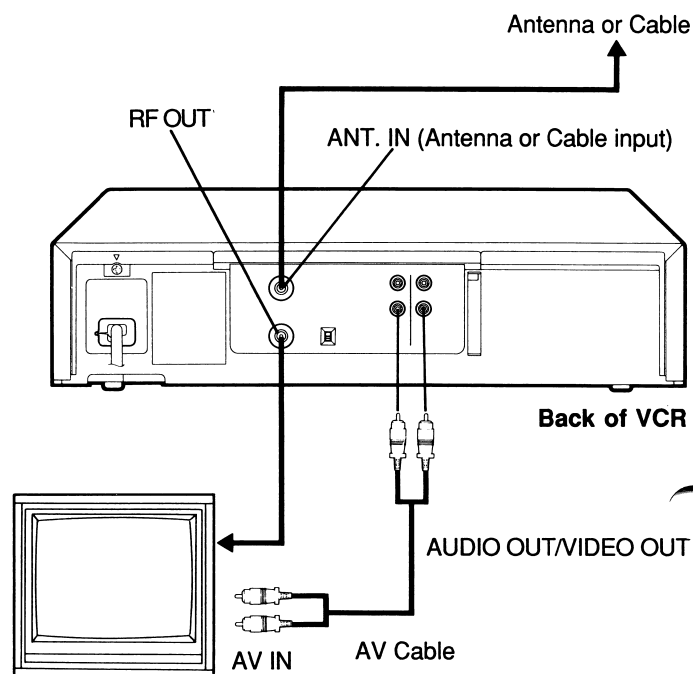
- 1 Disconnect the TV antenna from the TV.
- 2 Connect the TV antenna to the VCR.
- 3 Connect the VCR to the TV's antenna terminal using the provided RF cable.



AV CONNECTION

For TV sets with AV input terminals:

- 1 Connect the antenna, VCR and TV as per "RF CONNECTION".
- 2 Connect the VCR to the TV's AV-IN terminals.

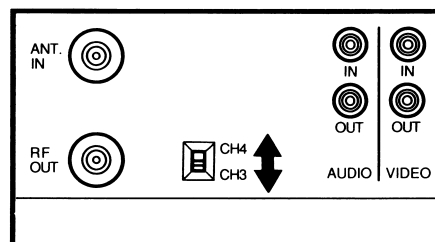


See the separate "Basic Guide For VCR Connections" for more information and other possible connections.

B SELECT VCR CHANNEL (3 OR 4)

With a standard RF connection, the VCR sends picture and sound signals through the connecting cable to your TV on channel 3 or 4. The VCR's switch is pre-set to CH3 prior to shipment. Set this switch to CH4 in areas where channel 3 is used for broadcasting.

Back of VCR



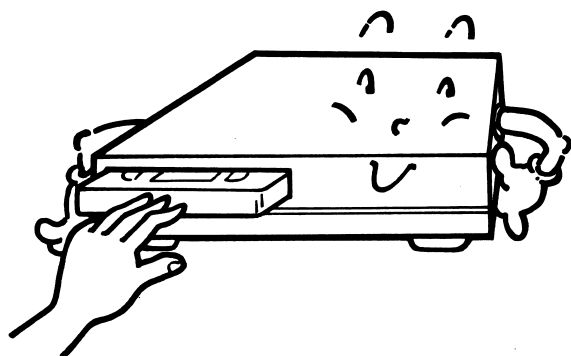
NOTES:

To operate the VCR with your TV using an RF connection, it is always necessary to set your TV's channel to the one you set the VCR to in this step.

Handling Videocassettes

A LOADING A CASSETTE

- 1 Insert a cassette with its label side facing you.
 - If the cassette is not loaded firmly, it will be ejected.



B UNLOADING A CASSETTE

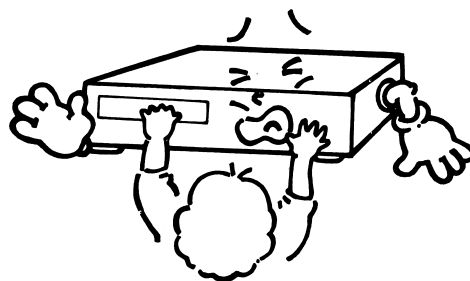
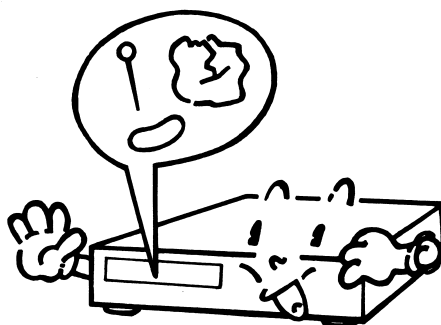
- 1 Press STOP/EJECT.
 - If the cassette will not eject, check to see if the VCR's TIMER indicator is lit. If it is, press the TIMER button to turn it off.

NOTES:

- Be sure to insert the cassette firmly into the slot; otherwise it will be automatically ejected.
- The automatic loading mechanism will operate only when the cassette is inserted correctly.

WARNING

- Do not insert fingers or foreign objects into the cassette loading slot since this could lead to injury or damage to the mechanism. Be especially careful with children.
- Do not try to pull out a cassette once automatic loading has started.



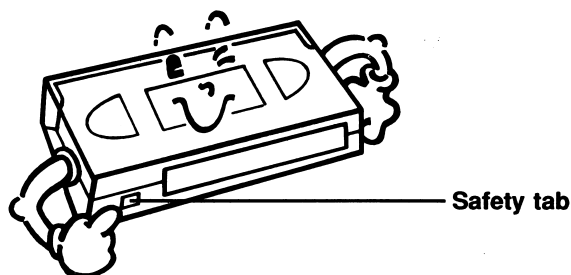
Usable Cassettes And Their Recording Time

Type of Cassette	Recording/Playback Time	
	SP (Standard Play)	EP (Extended Play)
T-30	30 minutes	1 hour, 30 minutes
T-60	1 hour	3 hours
T-90	1 hour, 30 minutes	4 hours, 30 minutes
T-120	2 hours	6 hours
T-160	2 hours, 40 minutes	8 hours

This VCR can record on regular VHS and Super VHS cassettes. However, it will record and play back regular VHS video signals only. **It is not possible to play back a prerecorded Super VHS tape.**

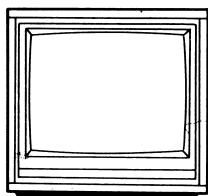
Accidental Erasure Prevention

- To prevent accidental recording on a recorded cassette, remove its safety tab. To record on it later, cover the hole with adhesive tape.

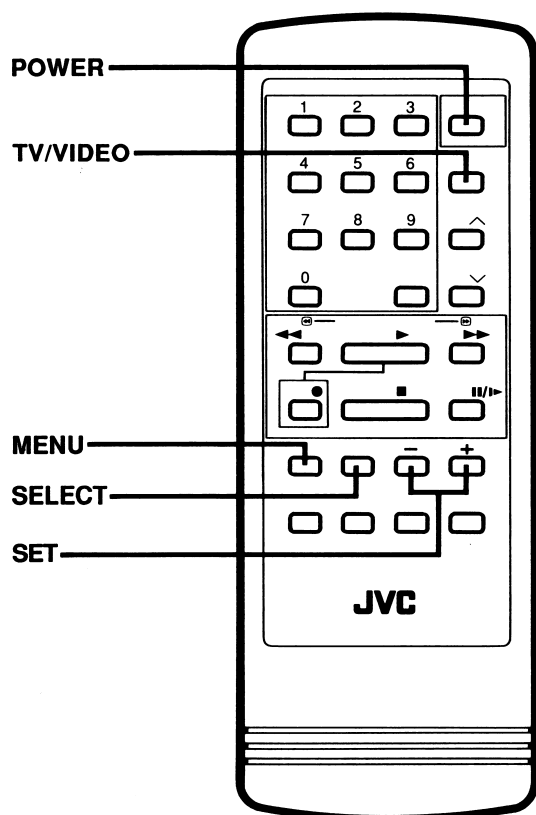


Setting The Clock

Since your VCR bases all of its timer recording start and stop "decisions" on the time kept by its built-in clock, accurate setting of this clock is crucial for proper timer-recording results.



POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)



NOTES:

- When re-adjusting the time, the Timer Program screen will appear in step 3. So press MENU again to display the Clock Set screen.

A TURN ON THE VCR

- 1 Press POWER.
- 2 Press TV/VIDEO to select the VIDEO mode.
 - The VCR's VIDEO indicator should be lit.

B ACCESS THE ON-SCREEN MENU

- 3 Press MENU. (Clock Set)

CLOCK SET
DATE 1/ 1/00 SUN
TIME 12:00 AM

PRESS (SELECT/SET)
PRESS (MENU) TO END

C INPUT THE MONTH/DAY/YEAR

- 4 Press SET to set the month.
- 5 Press SELECT.
- 6 Repeat steps 4 and 5 to set the day and year.
 - The day of the week will automatically appear.

CLOCK SET
DATE 2/24/91 SUN
TIME 12:00 AM

PRESS (SELECT/SET)
PRESS (MENU) TO END

D INPUT THE TIME

- 7 Press SET to set the hour.
 - Make sure that AM or PM is correctly displayed.
- 8 Press SELECT.
- 9 Repeat steps 7 and 8 to set the minutes.

CLOCK SET
DATE 2/24/91 SUN
TIME 10:30 AM

PRESS (SELECT/SET)
PRESS (MENU) TO END

E START THE CLOCK

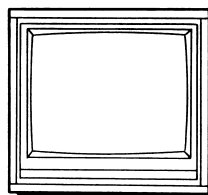
- 10 Press MENU.
 - The screen will return to the TV picture.

POWER FAILURE INDICATOR

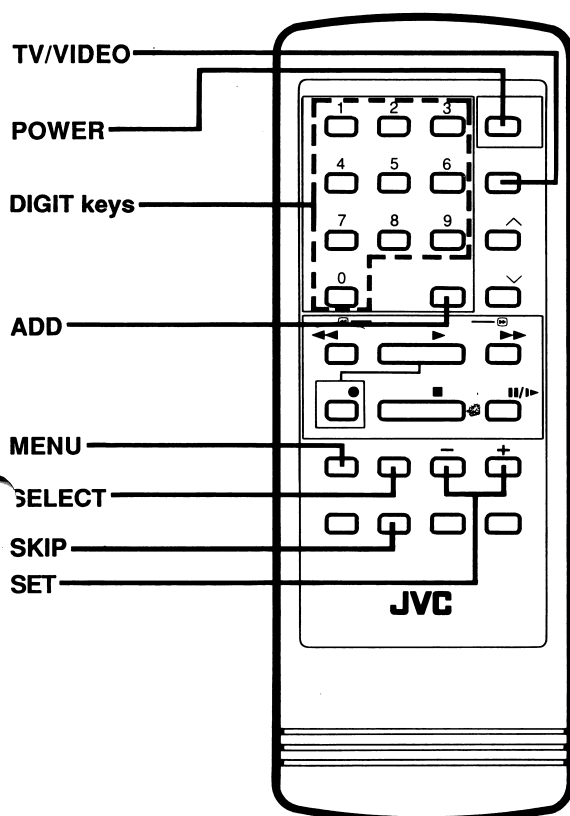
- The clock resets to "12:00 AM" and starts blinking when there has been a power failure. Reset the time to return the clock display to normal.

Setting The Tuner

The Auto Set feature introduced here automatically assigns receivable channels in your area to the CHANNEL UP/DOWN buttons and skips the others so you won't have to go through any "blank" channels to get to the one you want.



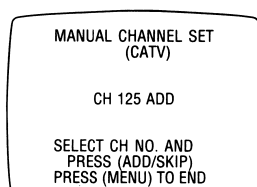
**POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)**



TO ADD/DELETE CHANNELS MANUALLY

To store only your favorite channels, restore skipped channels, or skip previously stored channels, select "MANUAL CHANNEL SET" in step 10.

- Specify the channel to be skipped or stored using the numeric keys or the CH buttons.
- Press ADD to store a channel.
- Press SKIP to skip a channel.

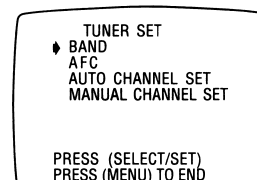


A TURN ON THE VCR

- 1 Press POWER.
- 2 Press TV/VIDEO to select the VIDEO mode.
 - The VCR's VIDEO indicator should be lit.

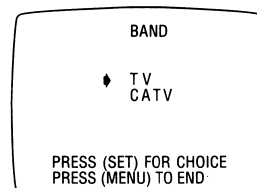
B ACCESS THE ON-SCREEN MENU

- 3 Press MENU three times. (Tuner Set)



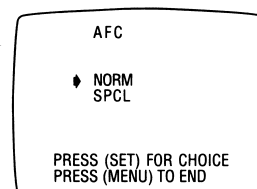
C SELECT THE BAND

- 4 Press SET if the cursor arrow is not pointing to "BAND".
- 5 Press SELECT. (Band)
- 6 Press SET to select "TV" or "CATV".
 - The BAND select feature has 2 settings (TV and CATV). Set to TV if your antenna provides only UHF and VHF channels. Set to CATV if your antenna system is a cable TV line with or without a cable converter/decoder box.
- 7 Press MENU.



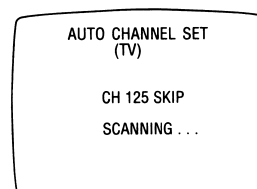
D SELECT THE AFC (AUTOMATIC FREQUENCY CONTROL)

- 8 Press SET if the cursor arrow is not pointing to "AFC".
 - The AFC select feature has two settings (NORM for Normal and SPCL for Special). Normally set it to NORM. If no picture appears, reset it to SPCL.
 - The AFC is preset to NORM. Skip this step if it is unnecessary.
- 9 Press MENU.



E START AUTO SET

- 10 Press SET if the cursor is not pointing to "AUTO CHANNEL SET".
- 11 Press SELECT.
 - Auto set is in progress and "SCANNING..." is displayed.
 - When available channels are scanned, "ADD" will be displayed on the screen.
 - When unavailable channels are skipped, "SKIP" will be displayed.
 - After completion of auto set, the lowest tuned-in channel is displayed.
 - If "SCAN COMPLETED — NO SIGNAL —" is displayed, check the band and AFC settings, and start again.

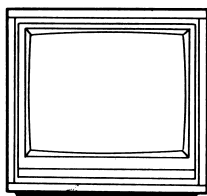


F RETURN TO THE TV SCREEN

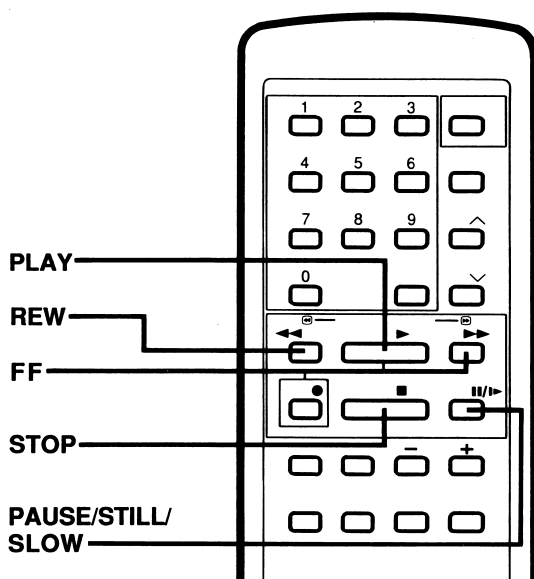
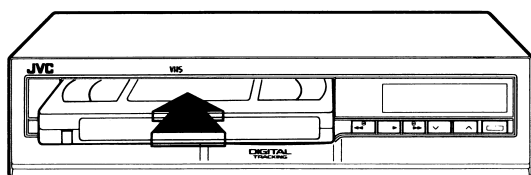
- 12 Press MENU twice.

▶ Playback

The easiest, most basic operation possible with your VCR is tape playback. Already-recorded signals on a video tape are read by your VCR and displayed on your TV just like a TV program.



**POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)**



NOTES:

- If the end of the tape is reached during play or search, it is automatically rewound to the beginning and stops.
- The VCR automatically stops when still continues for more than 5 minutes.
- If the still picture is unstable, use the CHANNEL UP/DOWN buttons to correct the picture.
- During search playback, some noise bars will appear.
- If noise bars appear during playback, correct using manual tracking. (p. 16)
- There is no audio during search, slow, still, or frame-by-frame playback.
- Picture loss will occur when search, still, or frame-by-frame is attempted with LP-mode recorded tapes. Press PLAY to return to normal playback and restore the picture.

A TURN ON THE VCR

- 1 Insert a cassette.
 - The VCR power will come on automatically.
 - If the safety tab on the cassette is removed, playback will start automatically.

B TO START PLAYBACK

- 2 Press PLAY.
 - The VCR mode is automatically set and the VIDEO indicator will light.

C TO STOP PLAYBACK

- 3 Press STOP.

D TO REWIND OR FAST-FORWARD

- 4 Press REW to rewind the tape.
- 5 Press FF to fast-forward the tape.
 - Press STOP to stop rewind or fast-forward.

E TO EJECT THE TAPE

- 6 Press the VCR's STOP/EJECT.

High-Speed Forward And Reverse Search

During Playback:

- 1 Press FF for high-speed forward search.
- 2 Press REW for high-speed reverse search.
- 3 Press PLAY to resume normal playback.
 - For short searches, keep FF or REW pressed for more than 2 seconds. When released, normal playback will continue.

Still Playback And Frame Advance

During Playback:

- 1 Press PAUSE/STILL/SLOW to view a still picture.
- 2 Press again to advance the picture frame by frame.
- 3 Press PLAY to resume normal playback.

Slow Motion

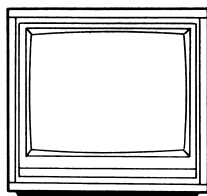
You can view pictures in slow motion in the forward direction using the PAUSE/STILL/SLOW button.

During Playback:

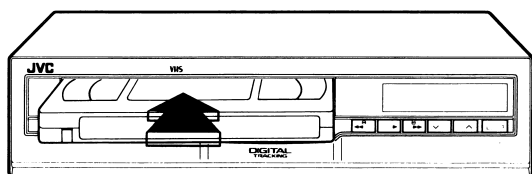
- 1 Press PAUSE/STILL/SLOW for two seconds. Tape will play back in slow motion.
 - Press PAUSE/STILL/SLOW to pause the picture.
 - Press PLAY to resume normal playback.

Recording

TV signals being received by the VCR's built-in tuner can be recorded onto a video tape. This is realtime video recording.



**POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)**



CHANNEL
UP/DOWN

DIGIT keys

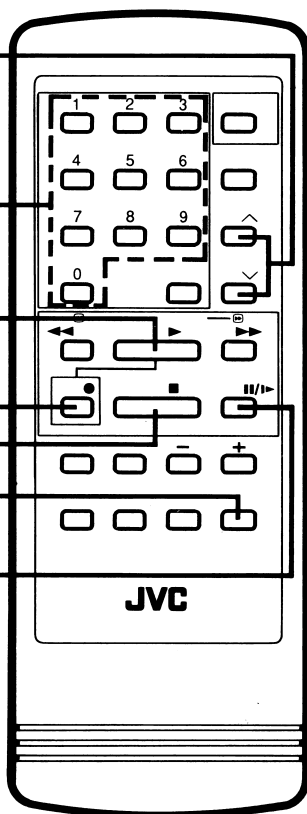
PLAY

REC

STOP

SP/EP

PAUSE/STILL/
SLOW



A TURN ON THE VCR

- 1 Insert a cassette with the record tab in place.
 - The VCR power will come on automatically. Be sure that the VIDEO indicator is lit; if not, press TV/VIDEO so that it lights.

B CHOOSE A PROGRAM

- 2 Press CHANNEL UP/DOWN or the digit keys to select the channel you wish to record.

C SET THE TAPE SPEED

- 3 Press SP/EP.

D START RECORDING

- 4 Press REC and PLAY simultaneously.

E PAUSE RECORDING

- 5 Press PAUSE/STILL/SLOW.
- 6 Press PLAY to resume recording.

F STOP RECORDING

- 7 Press STOP.

To Watch Another Program While Recording

During Record:

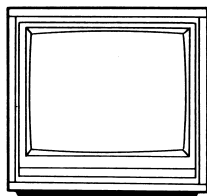
- 1 Press TV/VIDEO. The VCR's VIDEO indicator and the TV broadcast being recorded will disappear.
- 2 Use the channel controls on the TV to select the other channel you wish to view.
 - The program selected with the TV channel controls will appear on the TV screen while the one selected with the VCR channel controls will be recorded on the tape.

NOTES:

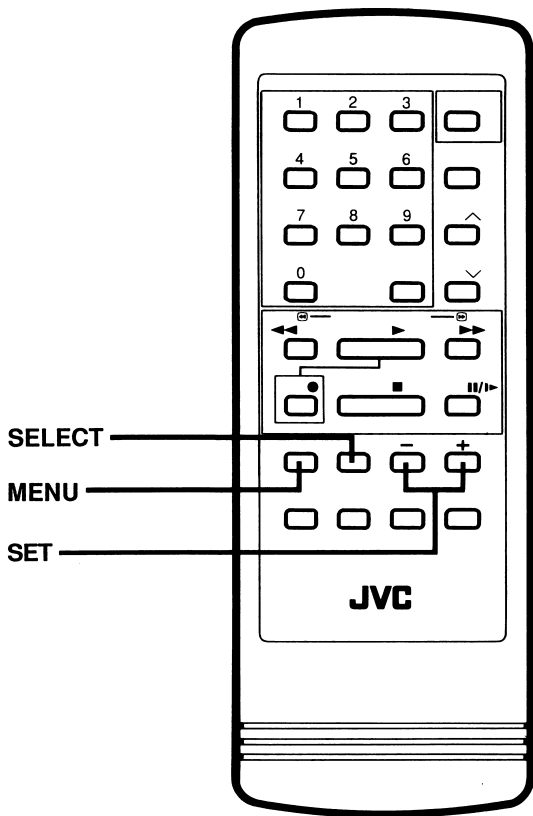
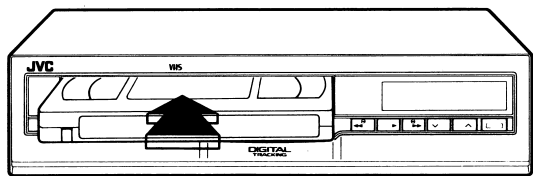
- To start recording with the VCR's REC/ITR button, press it once on its own. Pressing REC/ITR more than once activates the Off-Timer. [p.16](#)
- After pause, when recording is resumed, a few frames recorded before the pause may be overlapped by the new recording. This is meant to reduce picture distortion and is not a malfunction.
- The VCR automatically stops when record-pause continues for more than 5 minutes.
- ▲ If the end of the tape is reached while recording, it is automatically rewound to the beginning and stops.
- If the REC button does not work, check to see if the cassette's safety tab has been removed.
- The channel cannot be changed while recording is in progress. To change the channel, press PAUSE, then change the channel.

Timer-Recording

The on-screen timer programming method introduced here is the most basic of those possible with your VCR. You can program up to 4 recordings over a one-year period. **TIMER PROGRAMMING IS NOT POSSIBLE UNLESS THE CLOCK HAS BEEN SET.**



**POWER ON;
SELECT CHANNEL
3 OR 4 (OR AV MODE)**



A TURN ON THE VCR

1

Insert a cassette with the record tab in place.

- The VCR power will come on automatically. Be sure that the VIDEO indicator is lit; if not, press TV/VIDEO so that it lights.

B ACCESS THE ON-SCREEN MENU

2

Press MENU.

- If the clock has not yet been set, the Clock Set menu appears. First set the clock. [p.9](#)

PROGRAM 1

DATE -- --

START -- -- AM

STOP -- -- AM

CHANNEL -- SP

PRESS (SELECT/SET)

PRESS (MENU) TO END

C SELECT A PROGRAM NUMBER

3

Press SET to move the cursor (blinking number) to a vacant program, and then press SELECT.

- Initially all programs are vacant, and the cursor is at program 1. So simply press SELECT.

PROGRAM 1

DATE -- --

START -- -- AM

STOP -- -- AM

CHANNEL -- SP

PRESS (SELECT/SET)

PRESS (MENU) TO END

D INPUT THE DATE

4

Press SET to set the month, and then press SELECT.

5

Press SET to set the day of the month, and then press SELECT.

- The day of the week will automatically appear.

PROGRAM 1

DATE 2/24 FRI

START -- -- AM

STOP -- -- AM

CHANNEL -- SP

PRESS (SELECT/SET)

PRESS (MENU) TO END

E INPUT THE START TIME

6

Press SET to set the hours, and then press SELECT.

- Make sure that AM or PM is correctly displayed.

7

Press SET to set the minutes, and then press SELECT.

PROGRAM 1

DATE 2/24 FRI

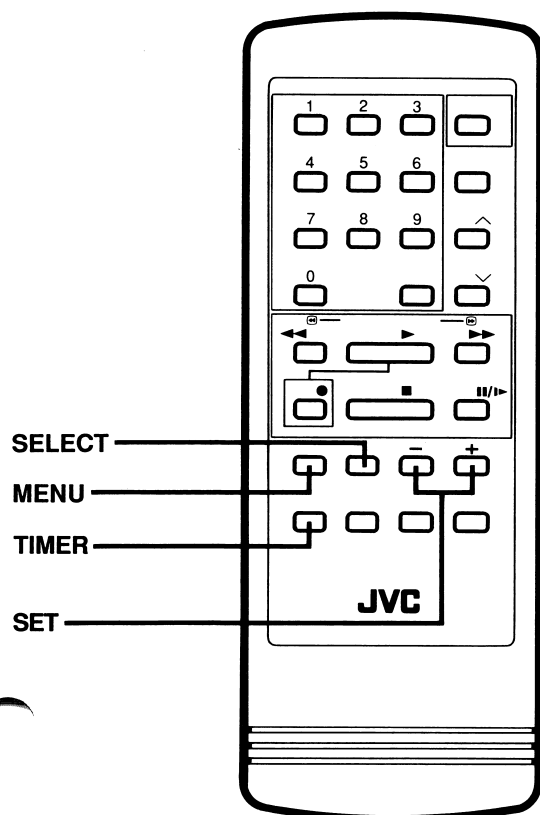
START 12:00 PM

STOP -- -- AM

CHANNEL -- SP

PRESS (SELECT/SET)

PRESS (MENU) TO END



F INPUT THE STOP TIME

- 8 Set the stop time in the same way as you set the start time in step E.

PROGRAM 1
DATE 2/24 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL -- SP

PRESS (SELECT/SET)
PRESS (MENU) TO END

G INPUT THE CHANNEL NUMBER

- 9 Press SET to set the channel number, and then press SELECT.

PROGRAM 1
DATE 2/24 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL 125 SP

PRESS (SELECT/SET)
PRESS (MENU) TO END

H SET THE TAPE SPEED

- 10 Press SET to choose SP or EP.

PROGRAM 1
DATE 2/24 FRI
START 12:00 PM
STOP 1:00 PM
CHANNEL 125 EP

PRESS (SELECT/SET)
PRESS (MENU) TO END

I RETURN TO THE TV SCREEN

- 11 Press MENU.

J SET TO TIMER MODE

- 12 Press TIMER.
- The VCR will enter the timer mode and power will go off.
 - Press TIMER again to release the timer mode.

For other timer programming methods and error indications,
p.17, 18.



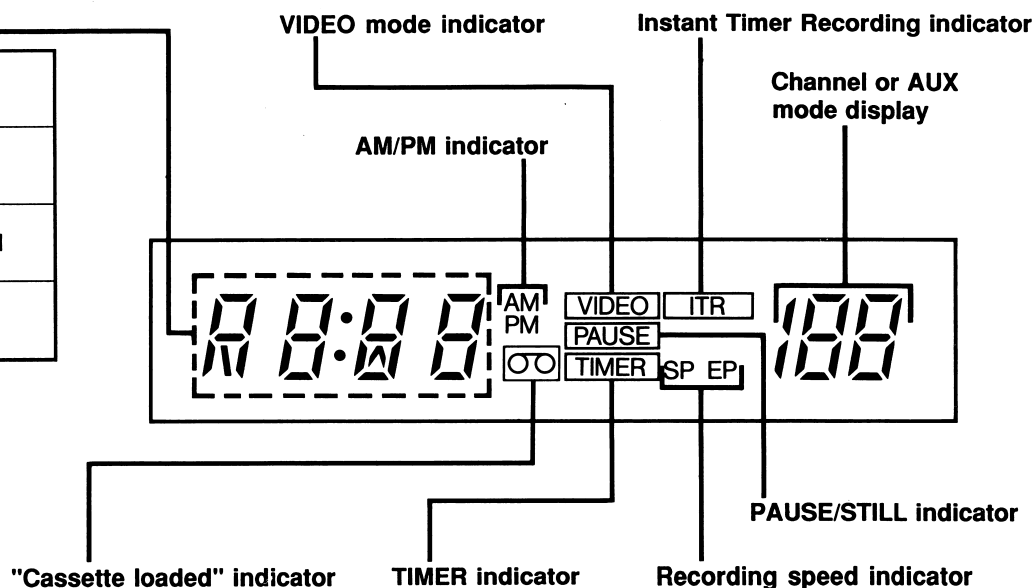
Mode Displays — What They Mean

Display Panel

The operation mode is displayed on the VCR's display panel automatically. Displayed messages are designed to be self-explanatory.

Operation mode indicators

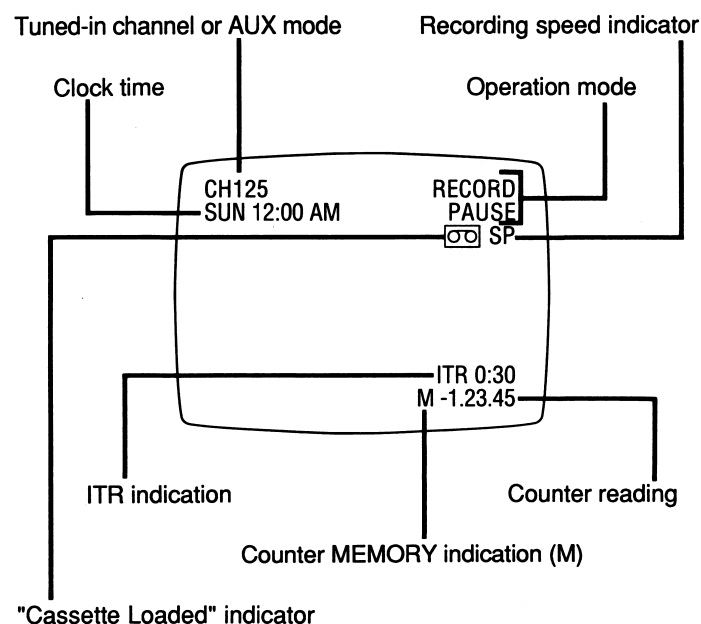
PLAY	Playback
REC	Recording
FF	Fast forward
REW	Rewind



When the power is switched off, the Display Panel brightness is subdued by the Auto Dimmer function.

On-Screen Display

Operation modes are displayed on the TV screen.



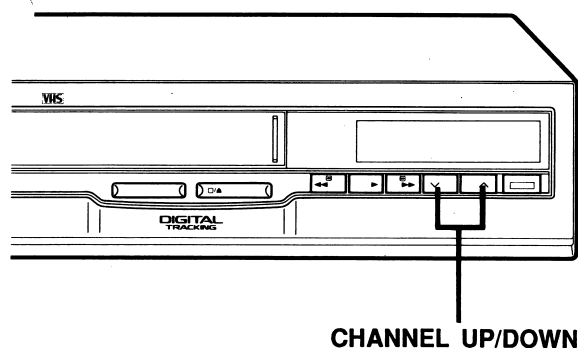
AUTOMATIC INDICATION

- **Channel**
When the channel is changed, the new channel is displayed on the screen for 5 seconds.
- **Operation mode**
When the operation mode is changed, the new mode is displayed -- RECORD (5 sec.), PLAY (5 sec.), FF/REW (5 sec., when engaged from Stop mode), and RECORD PAUSE (for as long as Pause is engaged).
- **"Cassette Loaded" mark**
When a cassette is loaded, the mark is displayed for 5 seconds. It blinks when EJECT is pushed.

MANUAL RECALL

- 1 Press ENTER.
 - This displays the mode and time on the screen for 5 seconds.
- 2 Press ENTER again to clear the display.

▶ For Playback



Manual Tracking

Your VCR is equipped with automatic tracking control. If you wish to adjust tracking manually, you can override this function.

During Playback:

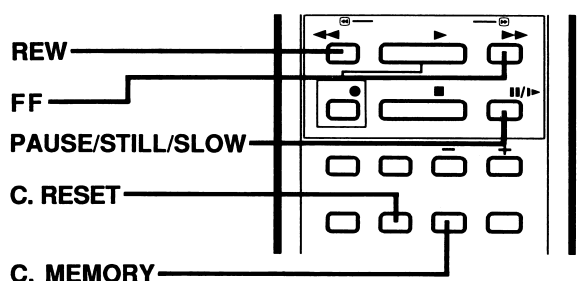
- 1 Press the VCR's CHANNEL UP/DOWN buttons simultaneously to cancel auto tracking.
- 2 Press CHANNEL UP or DOWN to adjust tracking.

During Slow:

- 1 Simply press CHANNEL UP or DOWN to adjust tracking.

During Still:

- 1 Press PAUSE/STILL/SLOW a few more times to remove the noise bars from the screen.

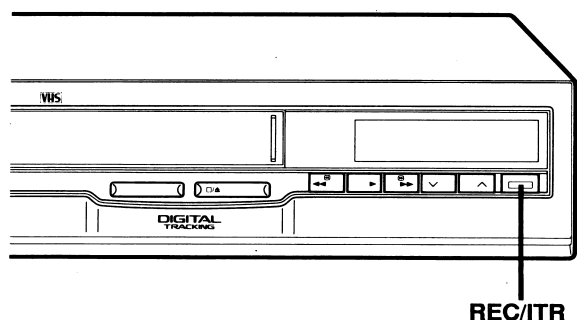


Counter Memory

During Playback:

- 1 Press COUNTER RESET (C. RESET) at a point you wish to locate later.
 - The counter will read "0.00.00".
- 2 Press COUNTER MEMORY (C. MEMORY).
- 3 Press REW (or FF) when you wish to return to that point.
 - The tape will rewind (or fast forward) and stop at about "0.00.00" automatically.

● For Recording

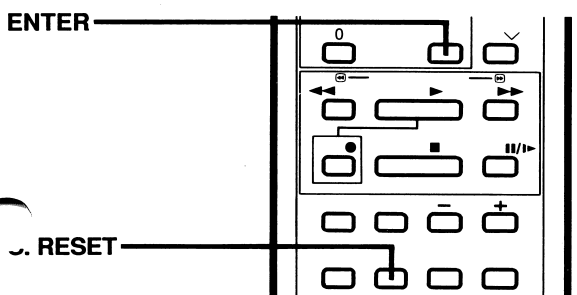


Instant Timer Recording (Off Timer)

You can start a recording and then set the VCR to shut off automatically after a set duration.

During Record:

- 1 Press VCR's REC/ITR. A "0:30" indication appears, advising that power will switch off after 30 minutes.
- 2 Press REC/ITR again to delay the off-time by 30-minute increments (up to 9 hours).
 - This function is available only using the REC/ITR button on the VCR.



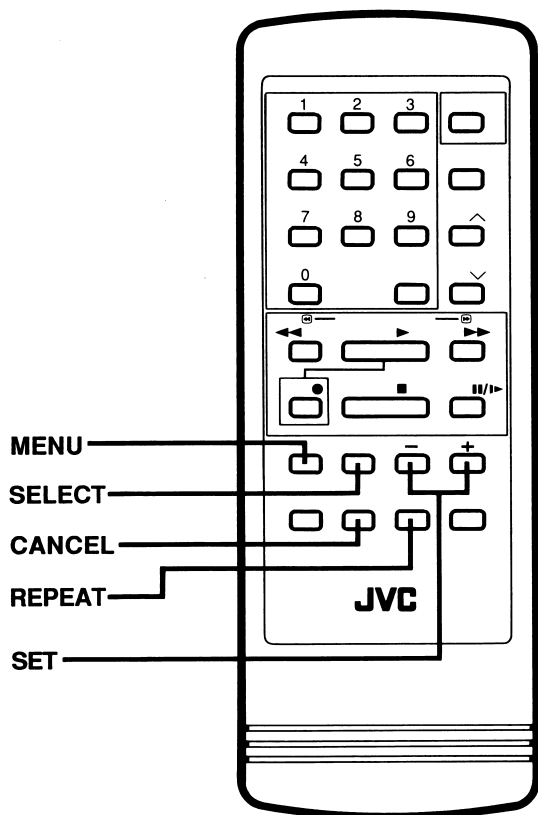
Elapsed Recording Time Indication

When you need to know the exact time of a recording.

- 1 Press COUNTER RESET (C. RESET) before starting recording or playback.
 - The counter will be reset to "0.00.00".
- 2 Press ENTER at any time to check the elapsed time on the TV screen.
- 3 Press ENTER again to clear it from the screen.



For Timer-Recording



Weekly Program

This function lets you set the VCR to timer-record at the same time on the same day every week.

- 1 Set the date (D, INPUT THE DATE).
 ➡ p.13
- 2 Press REPEAT once.
 ■ "WEEKLY" will appear in place of the day of the week.

PROGRAM 1
 DATE 2/24 WEEKLY
 START --:-- AM
 STOP --:-- AM
 CHANNEL -- SP

PRESS (SELECT/SET)
 PRESS (MENU) TO END

Daily Program

This function lets you set the VCR to timer-record at the same time everyday.

- 1 Set the date (D, INPUT THE DATE)
 ➡ p.13
- 2 Press REPEAT twice.
 ■ "DAILY" will appear in place of the day of the week.

PROGRAM 1
 DATE 2/24 DAILY
 START --:-- AM
 STOP --:-- AM
 CHANNEL -- SP

PRESS (SELECT/SET)
 PRESS (MENU) TO END

On Checking And Cancelling Programs

You can check the contents of the VCR's timer memory simply by pressing the MENU button. Executed programs are automatically cleared from memory (except those for daily and weekly serials). If the entire 8-event memory is full, check the preset programs and cancel one or more to make room for the new program(s) you wish to input.

HOW TO CANCEL A PROGRAM:

- 1 Press MENU.
- 2 Press SET to review preset programs.
- 3 Press SET to reach the program you wish to cancel.
- 4 Press CANCEL to erase the program displayed on the screen from memory.
 ■ Repeat steps 3 and 4 as necessary.
- 5 Press MENU to end.

Things You Should Know

Timer-recording is one of the most useful functions of your VCR, and, if you don't understand it, it can be one of the most complicated too. Although JVC's on-screen programming is designed to make timer programming easier to understand and easier to do, please read the following to get a clear idea about why things work the way they work, and what you should do when things don't work as expected.

Error Indications

The following error indications may occur on the VCR when you press the TIMER button to engage the Timer Standby mode. Here's why, and what you should do.

- "TIMER" and "00" on the display panel continue blinking.

WHY: There is no cassette in the VCR.

WHAT TO DO: Insert a cassette. Press TIMER again.

- The cassette is automatically ejected. "TIMER" and "00" continue blinking.

WHY: The inserted cassette has its safety tab removed.

WHAT TO DO: Insert a cassette with its safety tab intact. Or cover the safety tab hole of the cassette with adhesive tape and re-insert it. Press TIMER again. [p.8](#).

- "TIMER" blinks for 10 seconds and the Timer Standby mode is cancelled.

WHY: There are no preset programs in memory, or they have all been incorrectly preset.

WHAT TO DO: Check the programmed data and re-program it as necessary. Press TIMER again.

Some Facts On Timer Operation

- When timer-recording is successfully completed, the VCR power is automatically switched off.
- Since the timer starts and stops recording based on the time being kept by the VCR's built-in clock, the clock's time must be accurate for correct timer-recording results.

Other Indications

- "TIMER" steady lit (with clock display).

WHY: The VCR is in the Timer Standby mode. This is the normal display you should see when you press the TIMER button.

- "REC" and "TIMER" on the display panel.

WHY: Normal display while timer-recording is in progress.

- The cassette was ejected, with power off and "TIMER" blinking.

WHY: This means that the end of the tape was reached while timer-recording was in progress. Therefore, the preset program may not be recorded in its entirety.

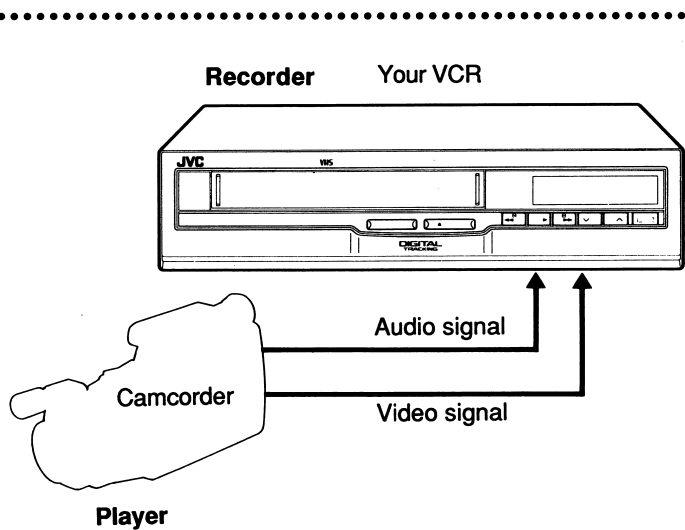
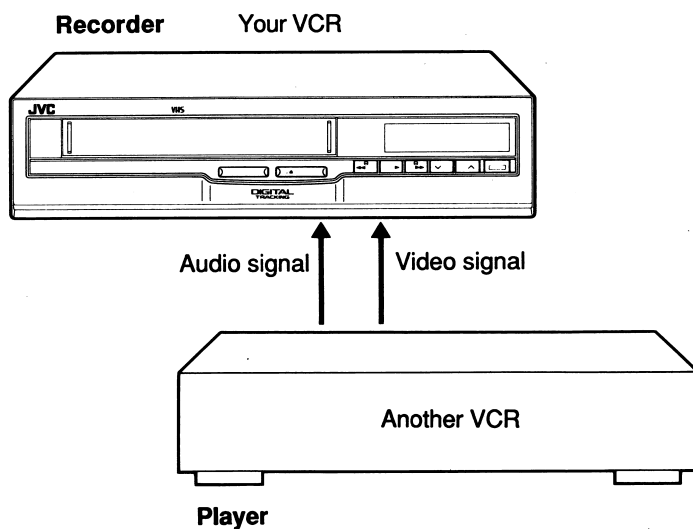
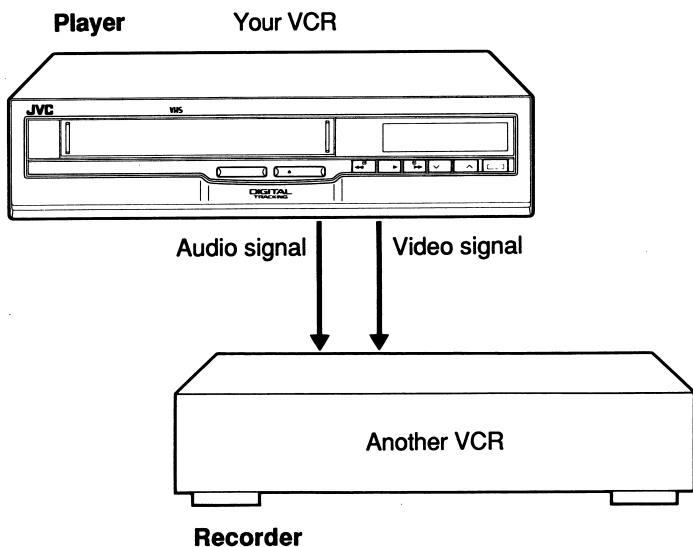
- "12:00 AM" blinking.

WHY: This means the clock must be set. It's displayed when time-keeping is terminated due to a power failure or because the VCR's power plug was pulled from the AC outlet.

WHAT TO DO: Set the clock. [p.9](#).

- If power was interrupted, it's also likely that all preset timer programming data has been erased. Please check and re-program as necessary.

▶● For Editing



Editing To/From Another VCR

Your VCR can be used as either the recording deck or the source player when editing tapes.

PREPARATION

- 1 Connect the player's VIDEO OUT and AUDIO OUT connectors to the recorder's VIDEO IN and AUDIO IN connectors.

OPERATION

- 2 Set the recorder's input mode to AUX.
 - With this VCR model, press the digit key "0". "AUX" will appear instead of a channel number.
- 3 Put the player in the Play mode.
- 4 Put the recorder in the Record mode.

Editing From A VideoMovie Camcorder

Tape-to-tape editing is also possible using a VideoMovie camcorder (equipped with playback facility) as the player and your VCR as the recorder.

PREPARATION

- 1 Connect the VideoMovie's AV OUT connector to the VCR's VIDEO IN and AUDIO IN connectors.
 - If the VideoMovie's AV output cable includes a mini-plug, leave it unconnected.

OPERATION

- 2 Set the VCR's input mode to AUX by pressing digit key "0". "AUX" will appear instead of a channel number.
- 3 Put the VideoMovie in the Play mode.
- 4 Put the VCR in the Record mode.

Helpful Terms And Information

The following glossary is for your convenience in helping you better understand your VCR and its operation.

Auto Channel Set: Part of the "TUNER SET" function. When used, the VCR runs through (scans) all the channels on the VCR, automatically placing all channels receivable in your area into the VCR's memory.

AV: Short for Audio/Video. Often refers to separate audio (sound) and video (picture) signals which, when combined, make up a program.

AV Connection: Type of VCR-to-TV connection in which the VCR's AUDIO OUT and VIDEO OUT terminals are connected to the TV's AV IN terminals. Audio and video signals are sent separately and directly to the TV without having to modulate them into RF signals.

Bands: Two settings are available on the VCR so you can receive TV programming from either broadcaster.

TV:

Use this setting to receive VHF (Very High Frequency) and UHF (Ultra High Frequency) channels only. These are received by the tuner on channels 2 thru 13, and 14 thru 69, respectively.

CATV:

Short for Community Antenna TV, and commonly referred to as simply "Cable TV". Use this setting to receive channels on cable.

Cassette Adapter: Provided with most Compact VHS camcorders, and also available optionally, it allows VHS-C cassettes to be played (and recorded) on VHS VCRs just like full-size VHS cassettes.

Editing: Refers to dubbing or tape-to-tape editing (in which the contents of a tape in one video unit are copied to another tape in a second video unit), and to creative editing (in which video programming is actually modified to create something different from the original).

FDP: Short for Fluorescent Display Panel, which is the type of display panel used on this VCR.

Head: An electronic component which "writes" or "reads" video and audio signals on the tape.

Head Drum: A drum-shaped cylindrical assembly on which the video heads are located. It rotates at high speed, allowing the heads to "write" and "read" diagonal signal tracks on the video tape.

HQ (High Quality): An enhancement feature in the VCR circuitry which provides greater picture detail.

Mode: The status of the VCR (the operating feature being used) at any given time. (e.g. The tape is being rewound = the VCR is in the Rewind mode.)

On-Screen Menu System: VCR functions are easier to operate because they can be chosen, and required data can be input, while viewing special screens displayed on your TV.

Realtime Counter: The VCR's tape counter shows tape time precisely in hours, minutes and seconds (unlike simple sequential counters). The counter resets automatically when a cassette is inserted.

RF Coaxial Cable: Black insulated round cable used to connect the VCR to the TV.

RF Connection: Type of VCR-to-TV connection in which the VCR's RF (Radio Frequency) OUT terminal is connected to the TV's ANTENNA terminal. The VCR essentially "broadcasts" the program to your TV on channel 3 or 4.

Special Effects: Playback modes other than normal-speed forward playback; includes still playback (stop motion), slow motion, and high-speed visual search.

Super VHS: A version of the VHS format which was developed to provide pictures with over 400 lines of horizontal resolution. This VCR can handle standard VHS signals only, and cannot record or play back Super VHS signals.

Tape Speeds: This determines how fast the tape travels during a recording.

SP (Standard Play):

Fast tape speed. Provides recording time of about 2 hrs. per T-120 cassette, and 2 hrs. 40 mins. per T-160 cassette. Most prerecorded software is recorded in SP.

EP (Extended Play):

Slow tape speed. Provides recording time of about 6 hrs. per T-120 cassette, and 8 hrs. per T-160 cassette. Useful for multiple-program recording on a single cassette. Some manufacturers sell VCRs with an intermediate LP (Long Play) speed, which is not officially recognized as a VHS standard. This JVC VCR can play back LP-recorded tapes, but will not record in that tape speed.

Timer-Recording: Using the VCR's built-in clock/timer for automatic, unassisted start and stop of recording.

Tracking: The video head's ability to accurately "read" recorded signals (tracks) without deviating. When tracking deviation occurs, it appears on the screen as vertical jitter and grainy streaks. The Digital Tracking function on this VCR is an extremely accurate automatic tracking system which greatly reduces the possibility of deviations.

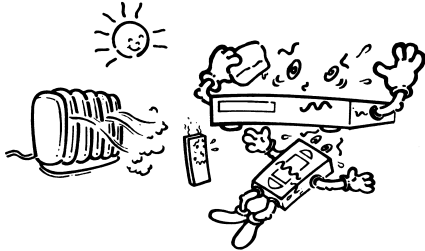
Tuner: The part of the VCR that receives TV signals off the air and via cable. The Frequency Synthesized Tuner of this VCR is highly accurate, and is capable of receiving up to 181 channels.

VCR: Short for Videocassette Recorder.

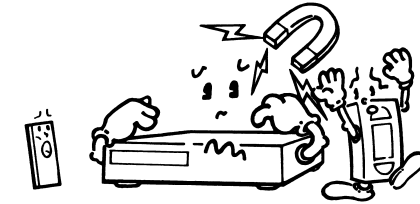
VHS: The video format of this VCR, and the video format most widely used throughout the world.

Precautions

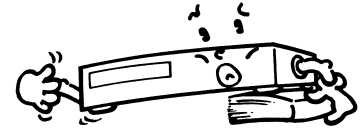
VCR, Remote Control, And Cassette Care



Avoid extreme heat and direct sunlight



Avoid strong magnetic fields



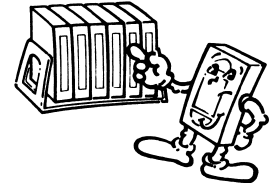
Use the VCR in a stable, horizontal position only



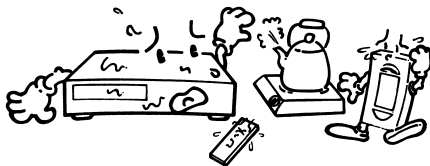
Avoid extreme cold



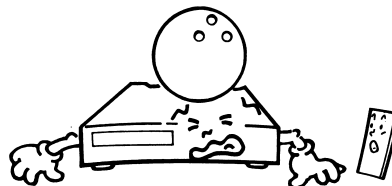
Do not block the VCR's ventilation openings



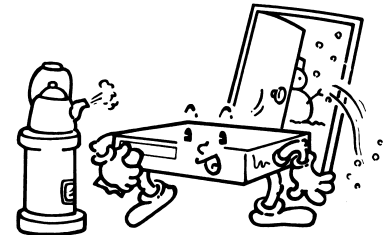
Place cassettes in cassette cases and store vertically



Avoid extreme humidity

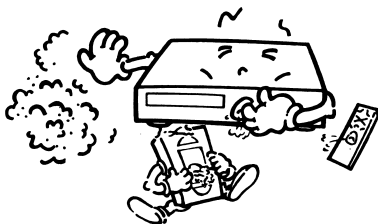


Do not place anything heavy on the VCR or remote control

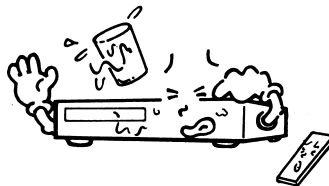


Beware of moisture condensation

Moisture in the air will condense on the VCR when you move it from a cold place to a warm place, or under extremely humid conditions -- just as water droplets form on the surface of a glass filled with cold liquid. Moisture condensation on the head drum will cause damage to the tape. In conditions where condensation may occur, keep the VCR's power turned on for a few hours to let the moisture dry.



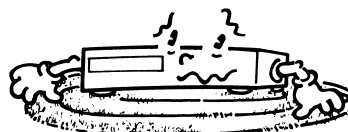
Avoid dust



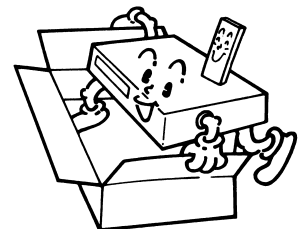
Do not place anything which might spill on top of the VCR or remote control



Avoid places subject to vibrations



Do not place the VCR on cushions, pillows, or thick carpeting



When transporting

- Be sure to remove cassette from VC before packing
- Avoid violent shocks to the VCR during packing and transport

Specifications

GENERAL

Power requirement	: AC 120 V~, 60 Hz
Power consumption	: 24 W
Temperature	
Operating	: 5°C to 40°C (41°F to 104°F)
Storage	: -20°C to 60°C (-4°F to 140°F)
Humidity	
Operating	: 35% to 80%
Storage	: 5% to 80%
Operating position	: Horizontal only
Dimensions (WxHxD)	: 360 x 85 x 331 mm (14-3/16" x 3-3/8" x 13-1/16")
Weight	: 5.0 kg (11.1 lbs)
Format	: VHS NTSC standard
Tape width	: 12.65 mm
Tape speed (SP)	: 33.35 mm/sec (1-5/16 ips)
(EP)	: 11.12 mm/sec (7/16 ips)
Maximum recording time (SP)	: 160 min. with T-160 video cassette
(EP)	: 480 min. with T-160 video cassette

VIDEO

Signal system	: NTSC-type color signal and EIA monochrome signal, 525 lines/60 fields
Recording system	: Rotary two-head helical scan system with slant double-azimuth combination video heads
Input	: 0.5 to 2.0 Vp-p, 75 ohms, unbalanced
Output	: 1.0 Vp-p, 75 ohms, unbalanced
Signal-to-noise ratio	: 45 dB (Rohde & Schwarz noise meter)
Horizontal resolution	: 240 lines

AUDIO

Recording system	: Longitudinal track
Input	: -8 dBs, more than 50 k-ohms, unbalanced
Output	: -8 dBs, less than 1 k-ohm, unbalanced (100 k-ohms, load)
Frequency range	: 70 Hz to 10,000 Hz

TUNER

Tuning system	: Frequency synthesized tuner
Channel coverage	
(VHF)	: Channels 2-13
(UHF)	: Channels 14-69
(CATV)	: 113 Channels
RF output	: Channel 3 or 4 (switchable; preset to Channel 3 when shipped) 75 ohms, unbalanced

TIMER

Clock reference	: AC line
Program capacity	: 1-year programmable timer/ 8-programs

ACCESSORIES

Provided accessories	: RF cable (F-type), Infrared remote control unit, (PQ21206A) "AAA" battery x 2
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E. & O.E. Specifications shown are for SP mode unless otherwise specified.
Design and specifications subject to change without notice.

Special Note On Head Cleaning



- If the picture playback becomes blurred, it does not mean that the recorded program has been erased.
- Dirt accumulated on the video heads after long periods of use causes picture troubles. In this case, head cleaning requiring highly technical care is necessary.
- For head cleaning, consult the nearest JVC dealer.

In Case Of Difficulties

POWER AND TAPE TRANSPORT PROBLEMS

Symptoms	Check points
No power is applied to the VCR.	<ul style="list-style-type: none">● Is the power cord disconnected? — Connect it.
Clock is functioning properly, but the VCR cannot be powered.	<ul style="list-style-type: none">● Is "TIMER" displayed on the display panel? — Press the TIMER button to extinguish the display.
Tape stops during rewind or fast-forward.	<ul style="list-style-type: none">● Is the COUNTER MEMORY button pressed? — Press again to make "M" disappear from the on-screen tape counter.
Tape will not rewind or fast-forward.	<ul style="list-style-type: none">● Is the tape already fully rewound or fast-forwarded? — Check the cassette.

RECORDING PROBLEMS

Symptoms	Check points
Recording cannot be started.	<ul style="list-style-type: none">● Is a cassette loaded?● Is the safety tab on the cassette removed? — Reseal the slot with adhesive tape.
TV broadcasts cannot be recorded.	<ul style="list-style-type: none">● Has "AUX" been selected? — Set to the desired channel.
Tape-to-tape editing is not possible.	<ul style="list-style-type: none">● Is the camcorder or VCR correctly connected?● Are all necessary power switches turned ON?● Has "AUX" been selected? — Set to "AUX".
Camera recording is not possible.	<ul style="list-style-type: none">● Is the camcorder correctly connected?● Has "AUX" been selected? — Set to "AUX".
Timer recording is not possible.	<ul style="list-style-type: none">● Have you set the clock correctly and programmed the timer correctly? — Check once again.● Is "TIMER" displayed on the display panel? — If not, press the TIMER button to display "TIMER".

PLAYBACK PROBLEMS

Symptoms	Check points
Playback picture does not appear while the tape is running.	<ul style="list-style-type: none">● If you are using RF OUT connection, is the TV receiver's channel selector set to the correct video channel? — Set it to the RF converter channel (3 or 4). (p.7)● If you are using AV connection, is the TV receiver set to the AV mode? — Set it to the AV mode.
Noise appears during visual search.	<ul style="list-style-type: none">● This is normal.
Noise appears during normal playback.	<ul style="list-style-type: none">● Is the automatic tracking mode engaged? — Try manual tracking. (p.16)
Noise appears during slow playback.	<ul style="list-style-type: none">— Try manual tracking. (p.16)
Playback picture is blurred or interrupted while TV broadcasts are clear.	<ul style="list-style-type: none">● Video heads may be dirty. — Head cleaning is necessary. Consult your JVC dealer (p.22).

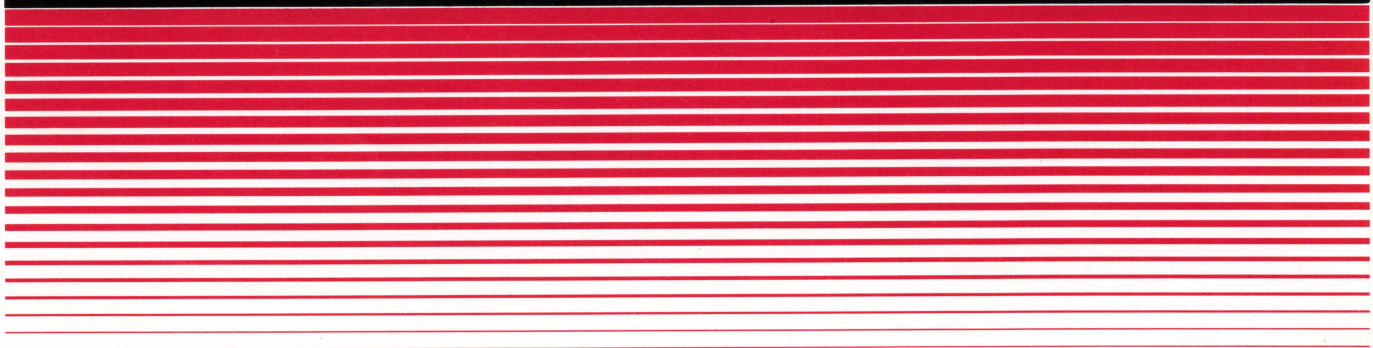
THERS

Symptoms	Check points
Clock setting is not possible.	<ul style="list-style-type: none"> Is "TIMER" displayed on the display panel? — Press the TIMER button to extinguish the display.
Some channels are skipped over when scanning channels.	<ul style="list-style-type: none"> Those channels are preset to be skipped over. If you need them, restore them. (p.10)
During Auto Channel Set, the sound of the channel being scanned can be heard momentarily.	<ul style="list-style-type: none"> This is normal.
Channel cannot be switched.	<ul style="list-style-type: none"> Is recording in progress? — Press the PAUSE/STILL button, change the channel, and press the PLAY button.
Snowy picture on screen when viewing TV programs while recording another program.	<ul style="list-style-type: none"> Is the VIDEO indicator lit? — Press the TV/VIDEO button so that the indicator extinguishes.
Remote control does not function.	<ul style="list-style-type: none"> Are the batteries discharged? — Replace with new ones.

ATTENTION:

This recorder contains microcomputers. External electronic noise or interference could cause malfunctioning. In such cases, switch the power off and unplug the power cord. Then plug it in again and switch on. Take out the cassette. After checking the cassette, operate the unit as usual.

Memo



JVC

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